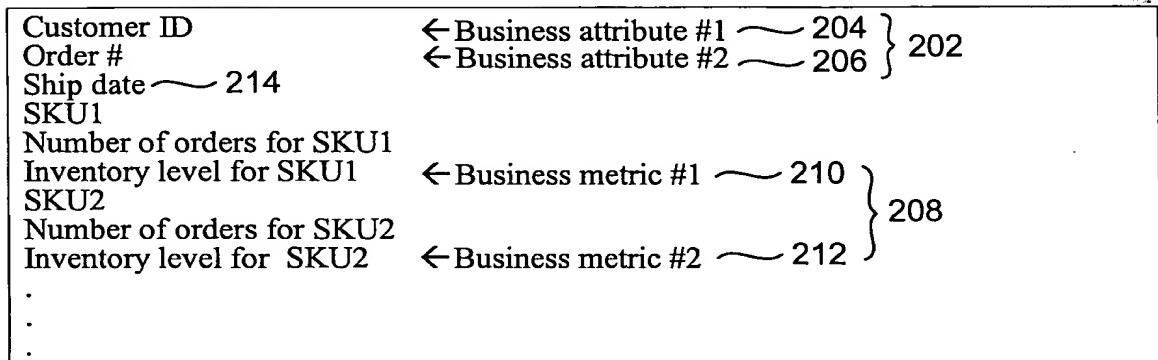
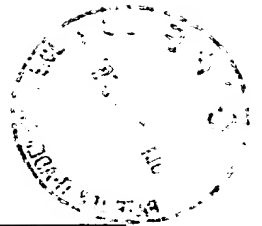
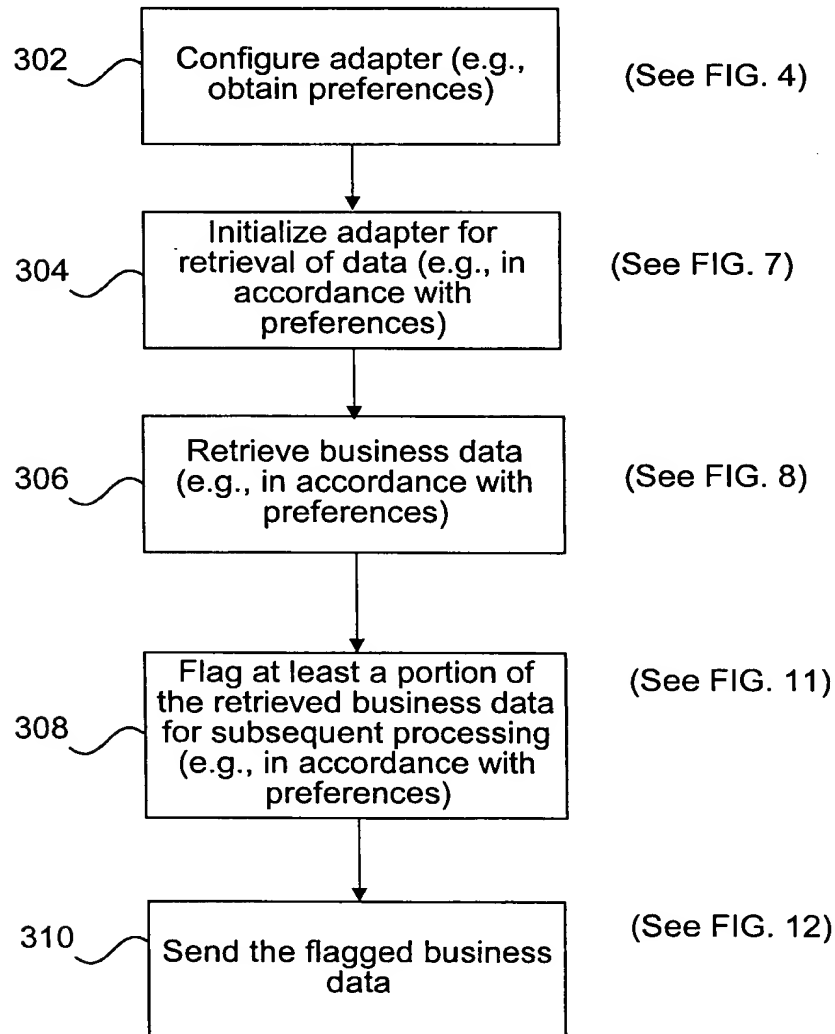
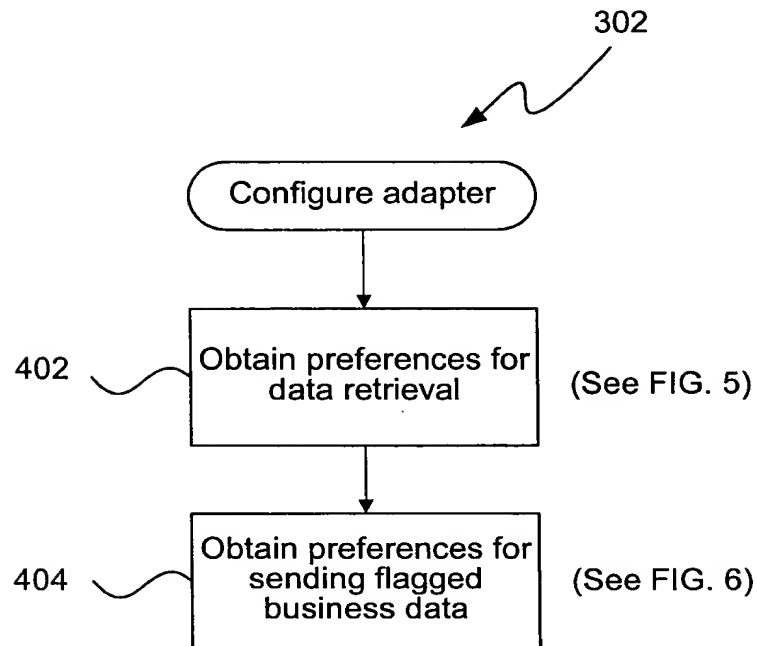
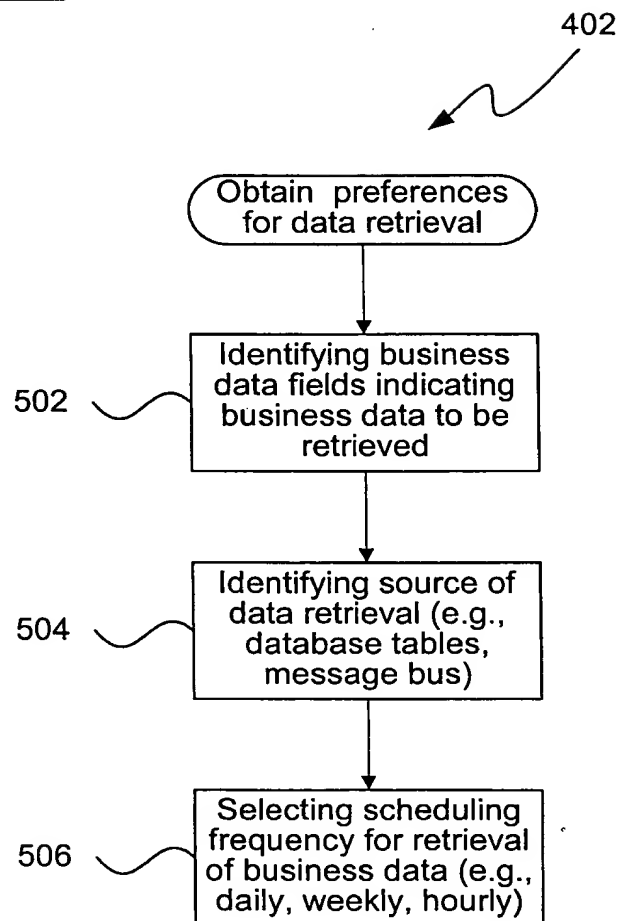
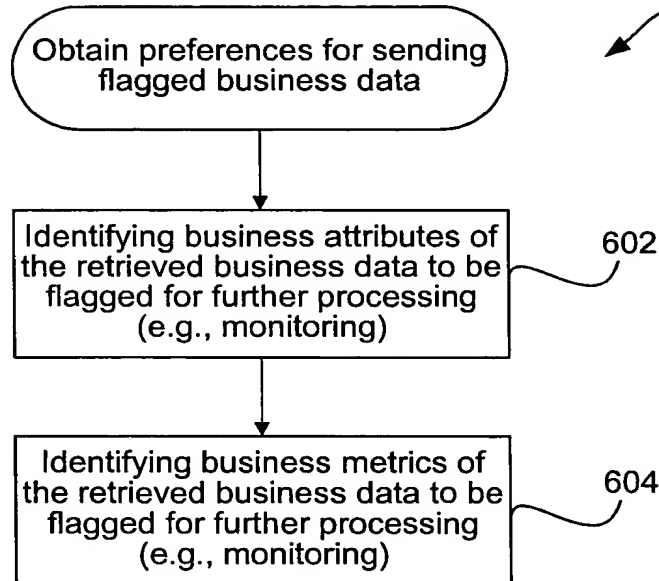
**FIG. 1**

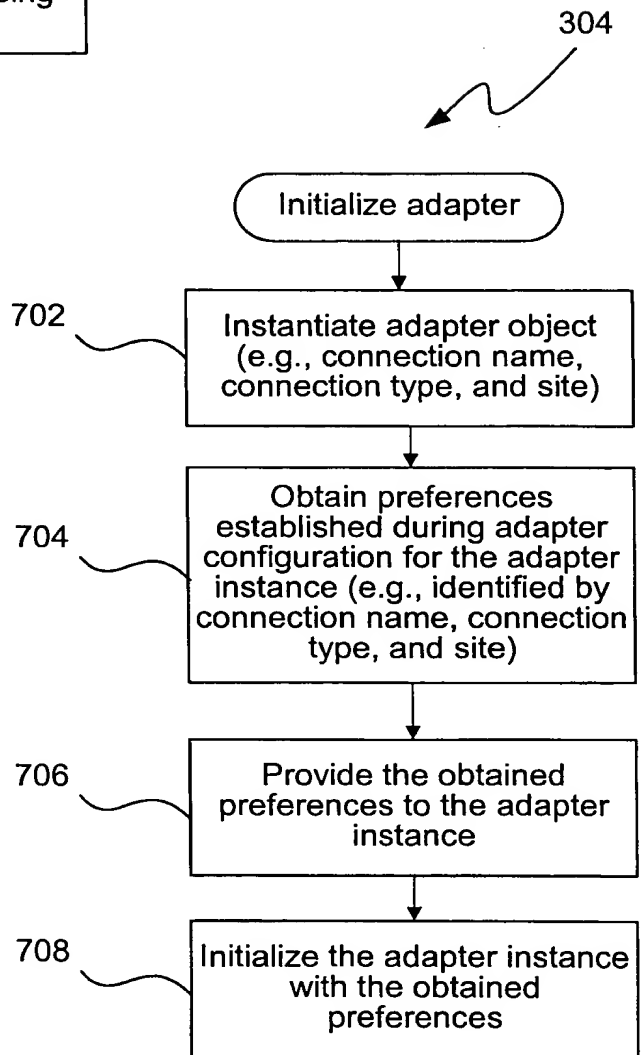
**FIG. 2****FIG. 3**

**FIG. 4****FIG. 5**

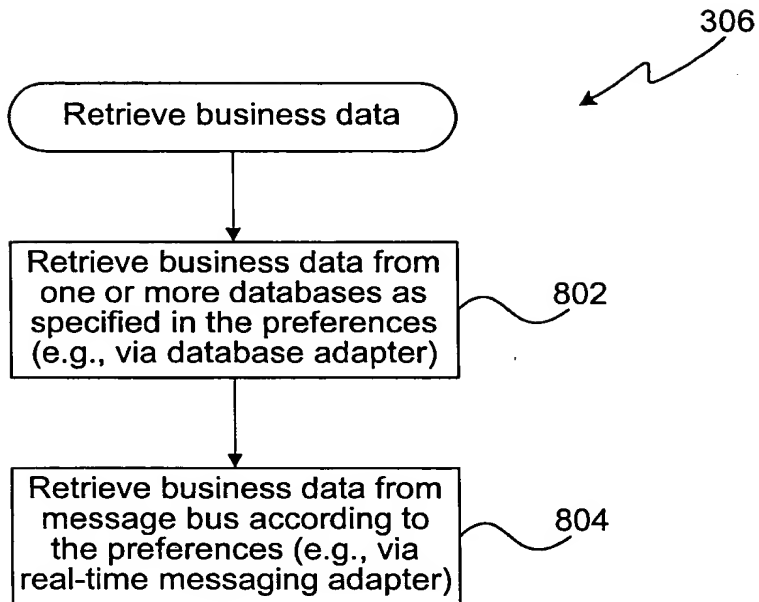
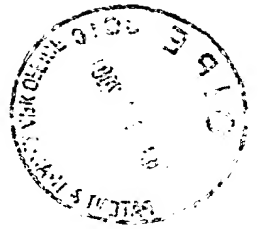
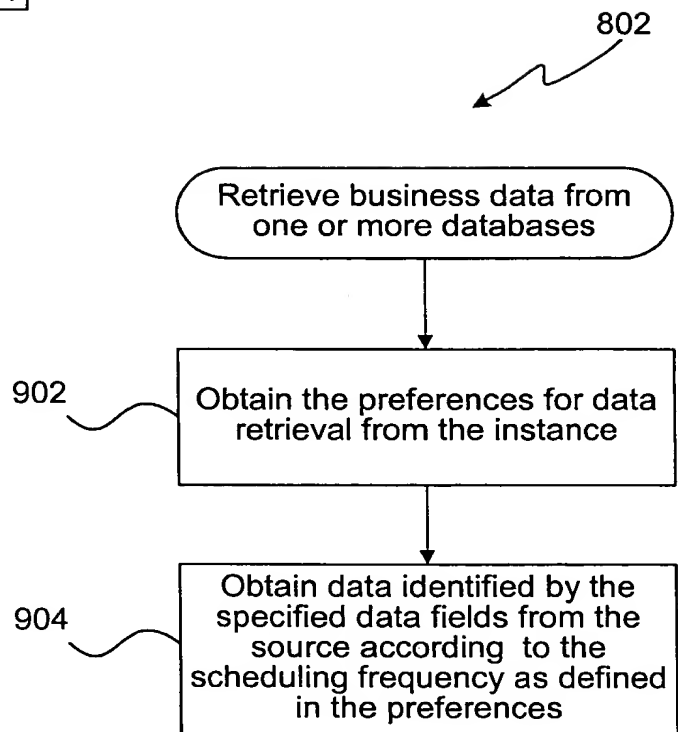
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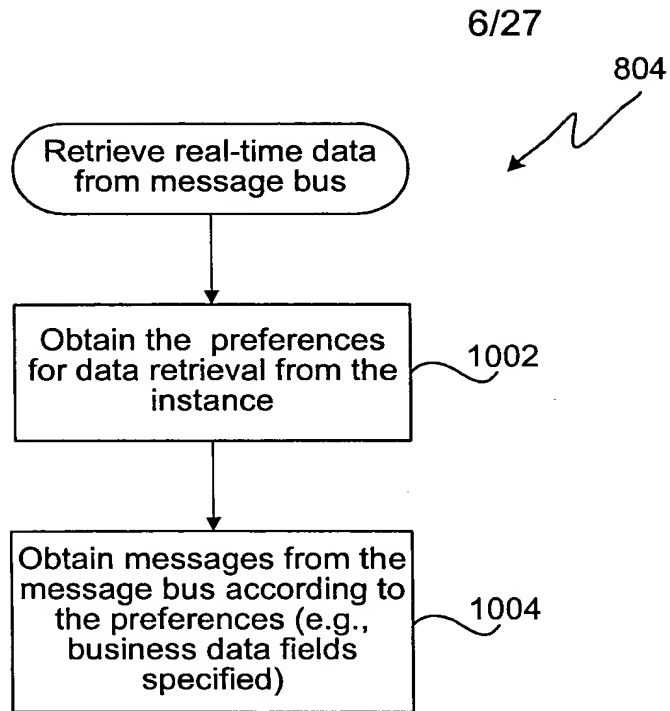


**FIG. 6**



**FIG. 7**

**FIG. 8****FIG. 9**



**FIG. 10**

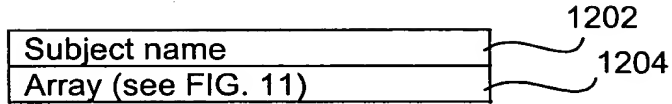
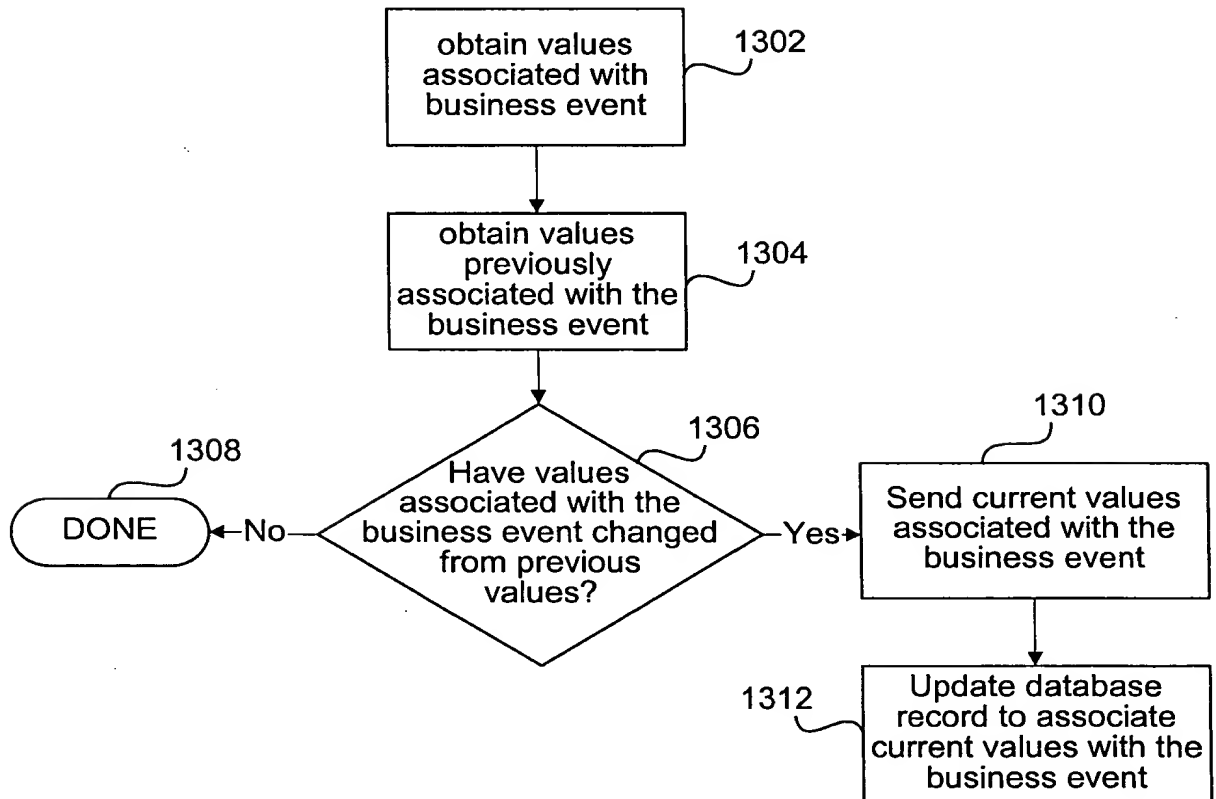
1102

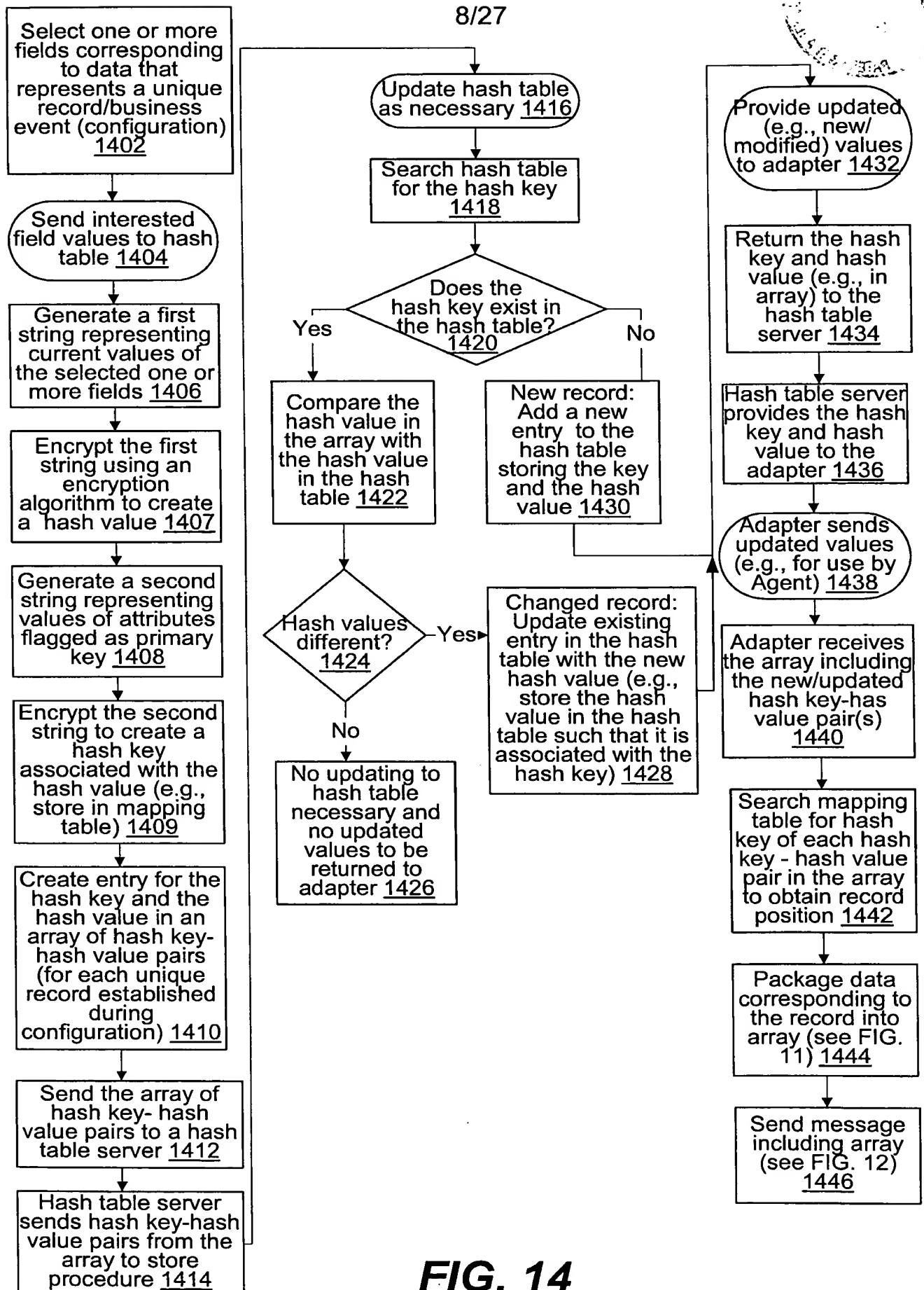
1106

1104

Attribute name	Data type	Attribute value	Attribute #	Metric value flag
Customer	String	"SHOES INC"	1	
Order No.	Integer	42859	2	
Ship date	String	"01/04/01"		
SKU1	Integer	000195		
Number of orders – SKU1	Integer	4		
Inventory level for SKU1	Integer	97		1
SKU2	Integer	000228		
Number of orders – SKU2	Integer	16		
Inventory level for SKU2	Integer	31		2

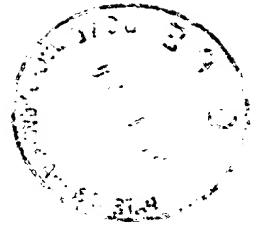
**FIG. 11**

**Message****FIG. 12****FIG. 13**





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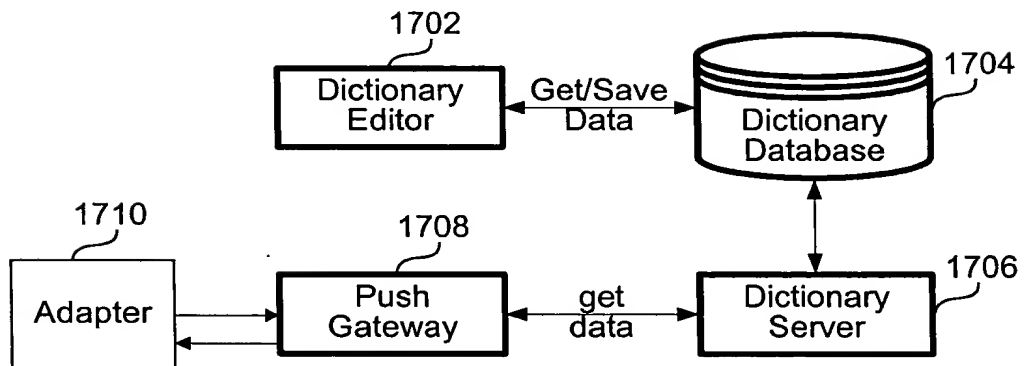


1502 Hash key	1504 Hash value
Key 1	String 1
Key 2	String 2

**FIG. 15**

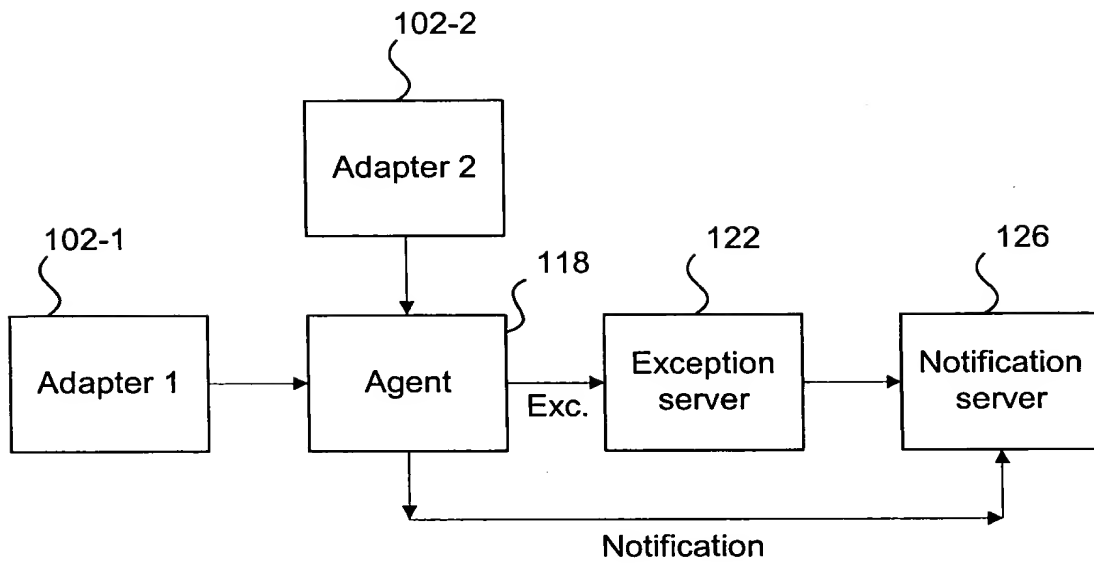
1602 Hash key	1604 Mapping Table Original record position (e.g., pointer)

**FIG. 16**



**FIG. 17**

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**FIG. 18**

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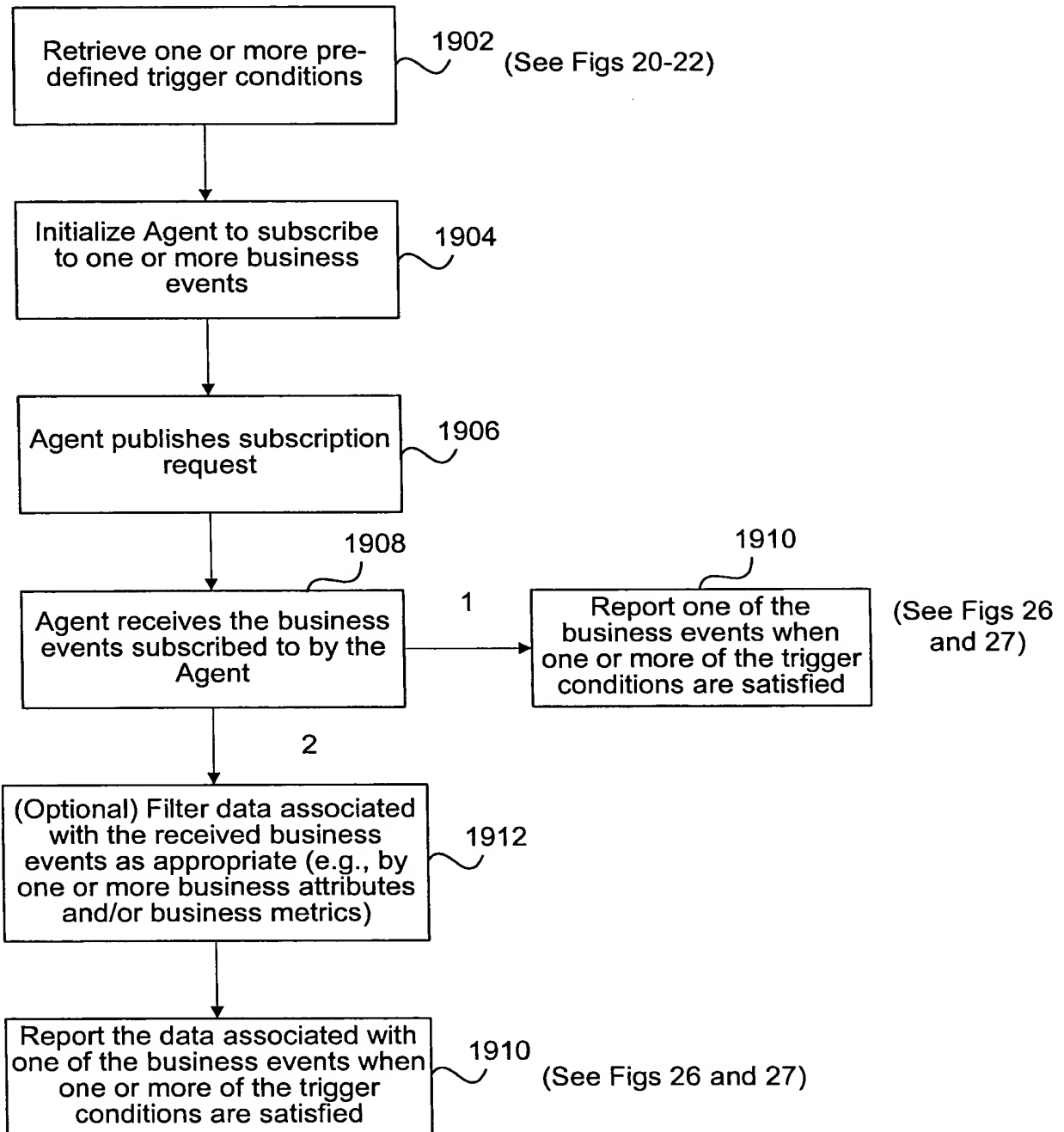


FIG. 19

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Vigilance Monitor Setup - Netscape

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Bookmarks Location: http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=1

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What's Related

VIGILANCE

New Monitor

1 SELECT A MONITOR ITEM

2 SPECIFY BUSINESS ATTRIBUTES

3 SPECIFY MONITOR SETTINGS

4 EDIT NOTIFICATION LIST(S)

5 SAVE AND ACTIVATE

Step 1 - Select Monitor Item

Select a Monitor Item on which to base the new Monitor.

If there are any questions regarding the underlying Data Source, SQL Statement, or Database Adapter

Monitor Name: [New Monitor]

Vigilance

Customer Management

On-Time Delivery

Sales Order Did Not Ship

Finished Goods Inv Levels

Customer Returns

Sales Order Holds

Sales Order On Hold

Hold Release

Manufacturing Management

Quality

Yield By Operation

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

FIG. 20



FIG. 21

Vigilance Monitor Setup - Netscape

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Bookmarks Location: <http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?MonitorItem=latestshipment&Step=2>

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What's Related

**VIGILANCE**

# New Monitor

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

**1 SELECT A MONITOR ITEM**

**2 SPECIFY BUSINESS ATTRIBUTES**

**3 SPECIFY MONITOR SETTINGS**

**4 EDIT NOTIFICATION LIST(S)**

**5 SAVE AND ACTIVATE**

Monitor Name: [New Monitor]

Monitor Item: Sales Order Did Not Ship

Business Attribute: Order

Enter/Select Attribute Values

Track These Values

[All Values]

Business Attribute: Product Family

Enter/Select Attribute Values

Track These Values

[All Values]

Business Attribute: Plant

Enter/Select Attribute Values

Track These Values

[Select Values]

DiskDrive100

DiskDrive200

HardDrive100

PackagedDrives

Step 2 - Specify Business Attribute Values

- Business Attribute Values are case-sensitive.
- Business Attribute Values are optional.

Document: Done

<b>Start</b>	<b>GroupWise Mailbox</b>	<b>Vigilance Monitor</b>	<b>Data on Main()</b>	<b>Patents</b>	<b>AV</b>	<b>GO</b>	<b>WIN</b>	<b>6:18 PM</b>
--------------	--------------------------	--------------------------	-----------------------	----------------	-----------	-----------	------------	----------------



FIG. 23

Vigilance Monitor Setup - Netscape

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Home Forward Reload Home Search Netscape Mail Security Stop

Bookmarks Location http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=4

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What's Related

**New Monitor**

VIGILANCE

Go To:  Beyer Weaver Thomas @ Vigilance Inc.

Go To:

Monitor Name: [New Monitor]

Monitor Item: Sales Order Did Not Ship

Notification Lists Priority Assign To Delete

[No Notification Lists Have Been Created For This Monitor.]

CREATE NEW LIST

1 SELECT A MONITOR ITEM

2 SPECIFY BUSINESS ATTRIBUTES

3 SPECIFY MONITOR SETTINGS

4 EDIT NOTIFICATION LIST(S)

5 SAVE AND ACTIVATE

Step 4 - Notification Lists

- A Notification List is optional. If omitted, no email or pager messages will be sent and all exceptions will be prioritized and assigned to individuals as specified in Step 3.
- Creating multiple Notification Lists allows different individuals to be notified for particular instances of an Exception. This is specified by Business Attribute Values identified for each Notification List.

Document Done



FIG. 24A

Vigilance Monitor Setup - Netscape

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Bookmarks Location: <http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=6>

Instant Message WebMail Radio People Yellow Pages Download Calendar Channels What's Related

**New Monitor**

Bayer Weaver Thomas @ Vigilance Inc.

Go To:

**1 SELECT A MONITOR ITEM:**

Monitor Name: [New Monitor]  
Monitor Item: Sales Order Did Not Ship  
List Name: [New List]

**2 SPECIFY BUSINESS ATTRIBUTES**

**3 SPECIFY MONITOR SETTINGS**

**4 EDIT A NOTIFICATION LIST**

**5 SAVE AND ACTIVATE**

**Step 4 - Notification Lists**

- A Notification List is optional. If omitted, no email or pager messages will be sent and all exceptions will be prioritized and assigned to individuals as specified in Step 3.
- Creating multiple Notification Lists allows different individuals to be notified for particular instances of an Exception. This is specified by Business Attribute Values identified for each Notification List.

**Select Notification Method**

☒ E-Mail ☐ Alphanumeric pager ☐ Numeric pager

☐ Disable Notification Grouping for selected users.\*

**Select Users**

Users

Alexander Jeffers  
Amie Wang  
Andy Sawran  
Anessa Katz  
Bayer Weaver Thomas  
Bill Bailey  
Bill Gilster  
Bob Durose  
Brian Clausen

**Notification Recipients**

Bayer Weaver Thomas(E)

**Select Notification Time**

☒ At All Times or

☐ From 9:00 AM to 5:00 PM

**Select Notification Days**

Document Done





FIG. 24B

Vigilance Monitor Setup - Netscape  
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Back Forward Reload Home Search Netscape Print Security Stop  
Bookmarks Location: <http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=6>  
Instant Message WebMail People Yellow Pages Downloads Calendar Channels  
What's Related

# New Monitor

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

### Select Notification Days

☒ Everyday or

☐ ☐ M, ☐ Tu, ☐ W, ☐ Th, ☐ F, ☐ Sa, ☐ Su

### Select Notification Delay

☒ Notify immediately, no delay.

☐ Notify after  days

☐ Notify when Exception Status is  Closed

### Field Based Notification (Based on Email Address or Alias)

☐ Use Field-Based Notification

☐ [Select One Monitor Item Attribute]

☐ Enable Safety Net  [Select One User]

Notification Method:

☐ E-Mail ☐ Alphanumeric Pagers ☐ Numeric Pagers

### Notify These Recipients For

☐ All exceptions of this monitor

☒ Specific exceptions of this monitor (By Business Attributes)

Document Done

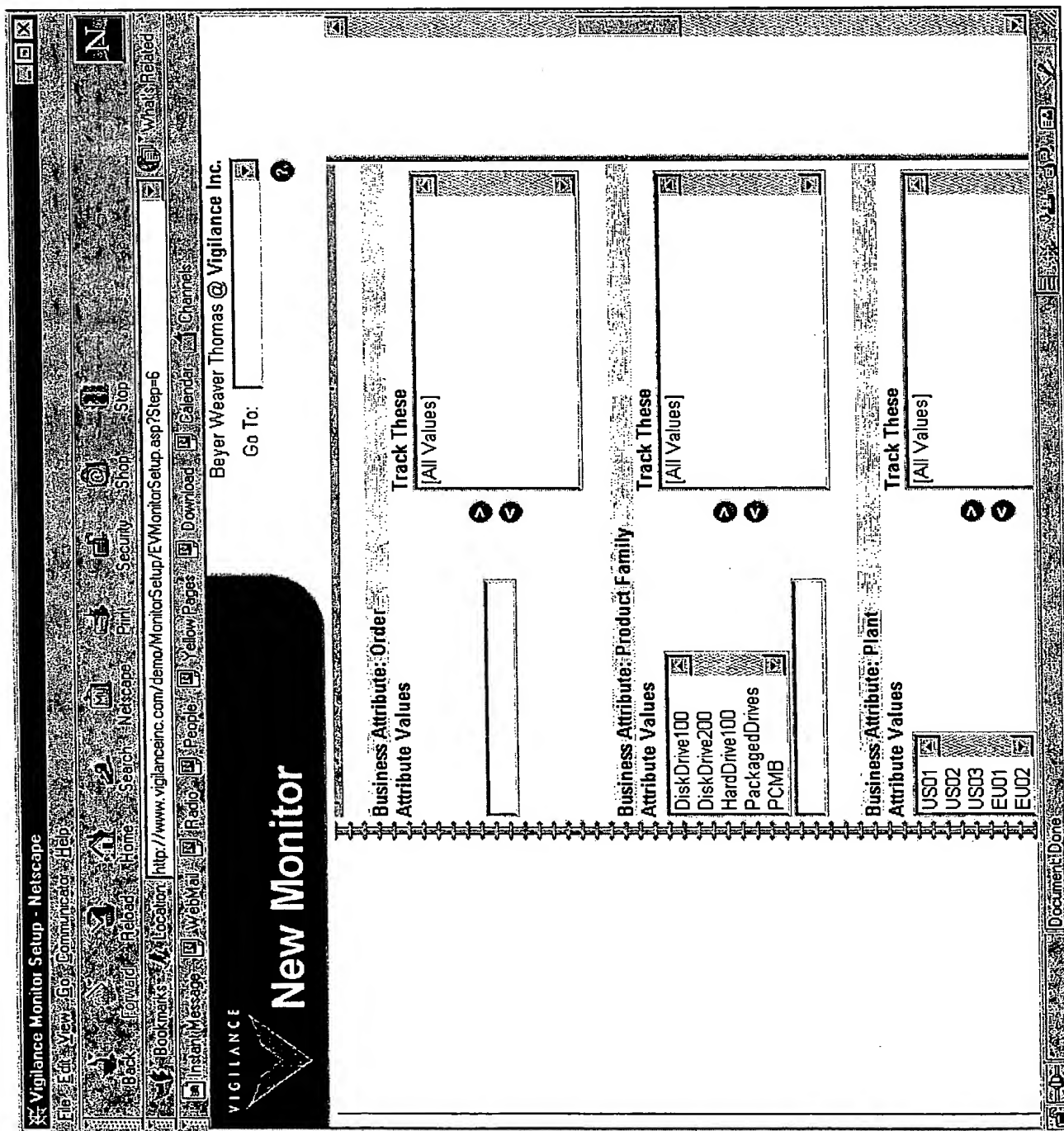






FIG. 24E

Vigilance Monitor Setup - Netscape

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http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=6

Bookmarks WebMail Radio Yellow Pages Download Calendar Channels

Instant Message

**VIGILANCE**

**New Monitor**

Beyer Weaver Thomas @ Vigilance Inc.

Go To: ?

**Edit Notification Message**

☐ Use Default Message  
☒ Customize the Message

**Customize Notification Message**

**Numeric Pagers**

**Alphanumeric Pagers**

**E-Mail**

Vigilance has detected a Sales Order Did Not Ship exception with the following characteristics:

Document Done

Vigilance Monitor Setup - Netscape

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Bookmarks Location: <http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=6>

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What's Related

**New Monitor**

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

Select Exception Properties For This Notification List

Priority:  High  Assign to:  Beyer Weaver Thomas

Name Notification List

Notification List Name

Existing Lists For This Monitor

[No Existing Notification List]

FINISH LIST

Document Done

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FIG. 24F

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FIG. 25

Vigilance Monitor Setup - Netscape

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[Reload](#)
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[Search](#)
[Netscape](#)
[Plugins](#)
[Security](#)
[Shop](#)
[Stop](#)

[Edit View](#)
[Go](#)
[Communicator](#)
[Help](#)

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[WebMail](#)
[Radio](#)
[People](#)
[Yellow Pages](#)
[Download](#)
[Calendar](#)
[Channels](#)
[What's Related](#)

<http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=5>

Vigilance

# New Monitor

1 SELECT A MONITOR ITEM

2 SPECIFY BUSINESS ATTRIBUTES

3 SPECIFY MONITOR SETTINGS

4 EDIT NOTIFICATION LIST(S)

5 SAVE AND ACTIVATE

Monitor Name: [New Monitor]

Monitor Item: Sales Order Did Not Ship

[Edit Monitor Details](#)

Monitor Name

Go To:

Beyer Weaver Thomas @ Vigilance Inc.

Existing Monitors

1stsi - Sales order on hold demo  
Actual below .4 of forecast  
CM-BacklogAging-30Day  
CM-LatePO  
CM-LateShip-OSD  
Department (Optional)

Step 5 - Save and Activate

- Choose a Monitor Name that is meaningful and will allow others to determine each Monitor's purpose.
- Descriptive prefixes for Monitor Names are recommended to aid with identification and grouping (e.g. - IM - Lot on Hold > 2 hrs., PA - Goods Receipt <> Invoice Qty., etc.)
- Monitor will take effect the first time the corresponding Database Adapter runs following activation. Consult the Vigilance Dictionary Editor or your Vigilance System Administrator for Adapter run times.



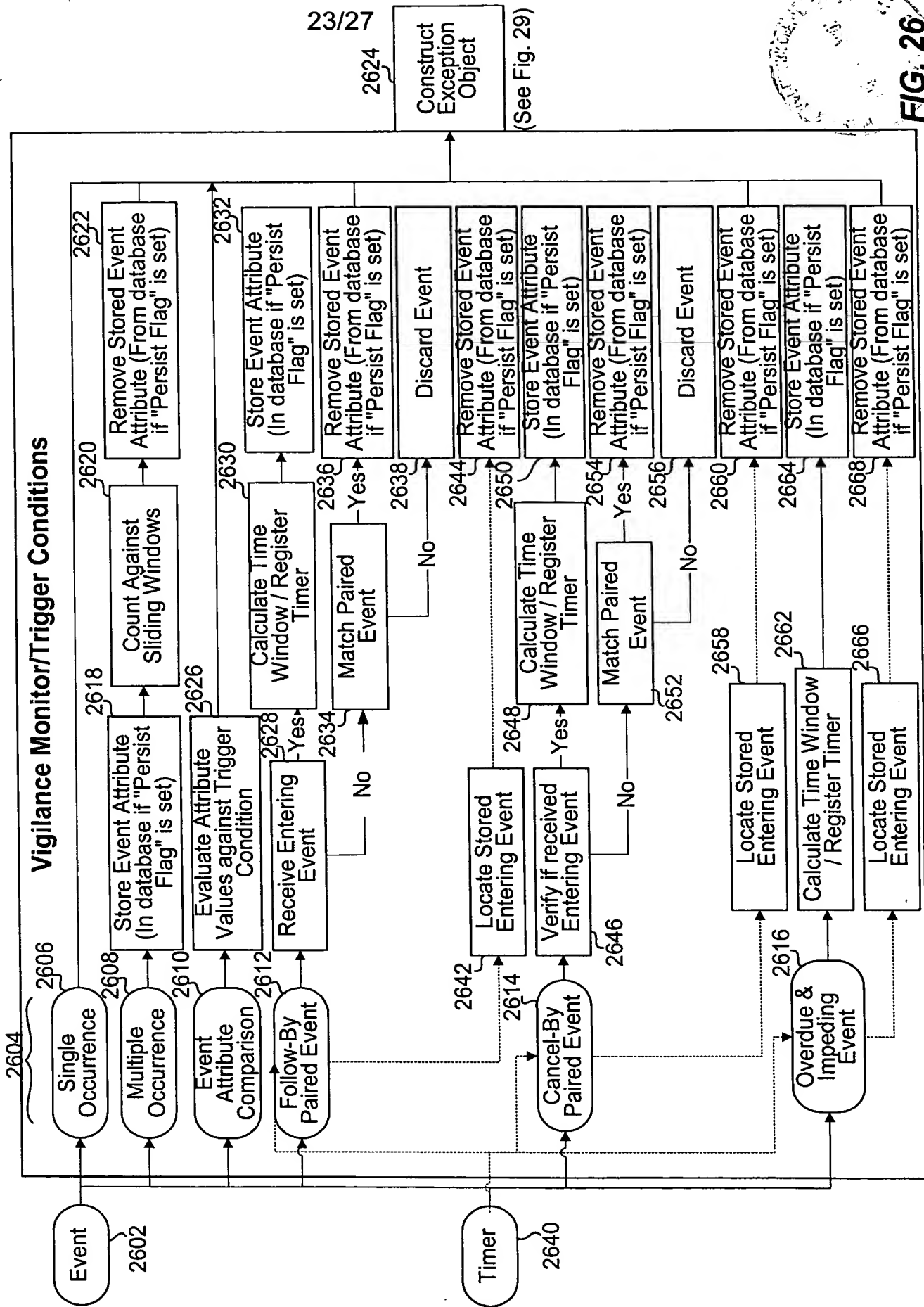
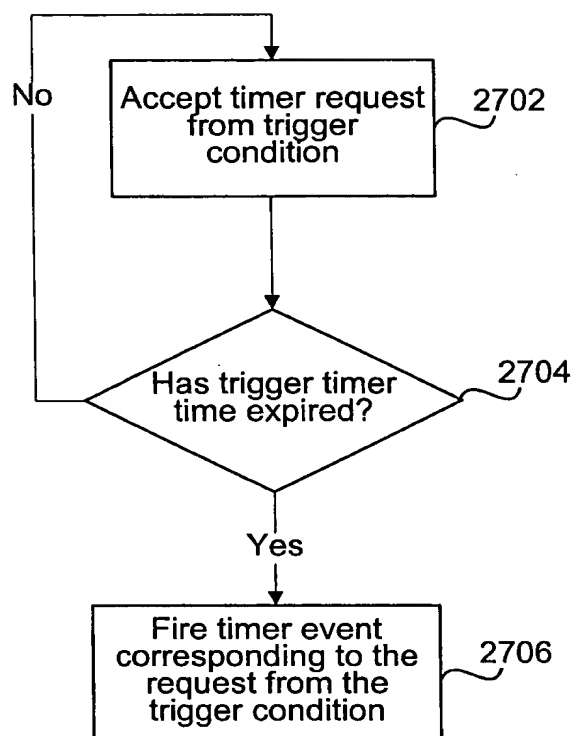


FIG. 26

**FIG. 27**





## Monitor object

Monitor Name 2802
Monitor Author 2804
Condition 2806
One or more attributes 2808 (e.g., including one or more values)
Notification 2810
Assignment 2812

**FIG. 28**

## Exception object

Exception identifier 2902	Exception description 2904	Event identifier 2906
Trigger condition 2908	Trigger type 2910	One or more attributes (e.g., business metrics) 2912
One or more attribute values 2914	Monitor name 2916	Monitor item 2918
Notification/exception 2920	Assign to 2922	Priority 2924
Detection time 2926	Analysis 2928	Analysis author 2930

**FIG. 29**

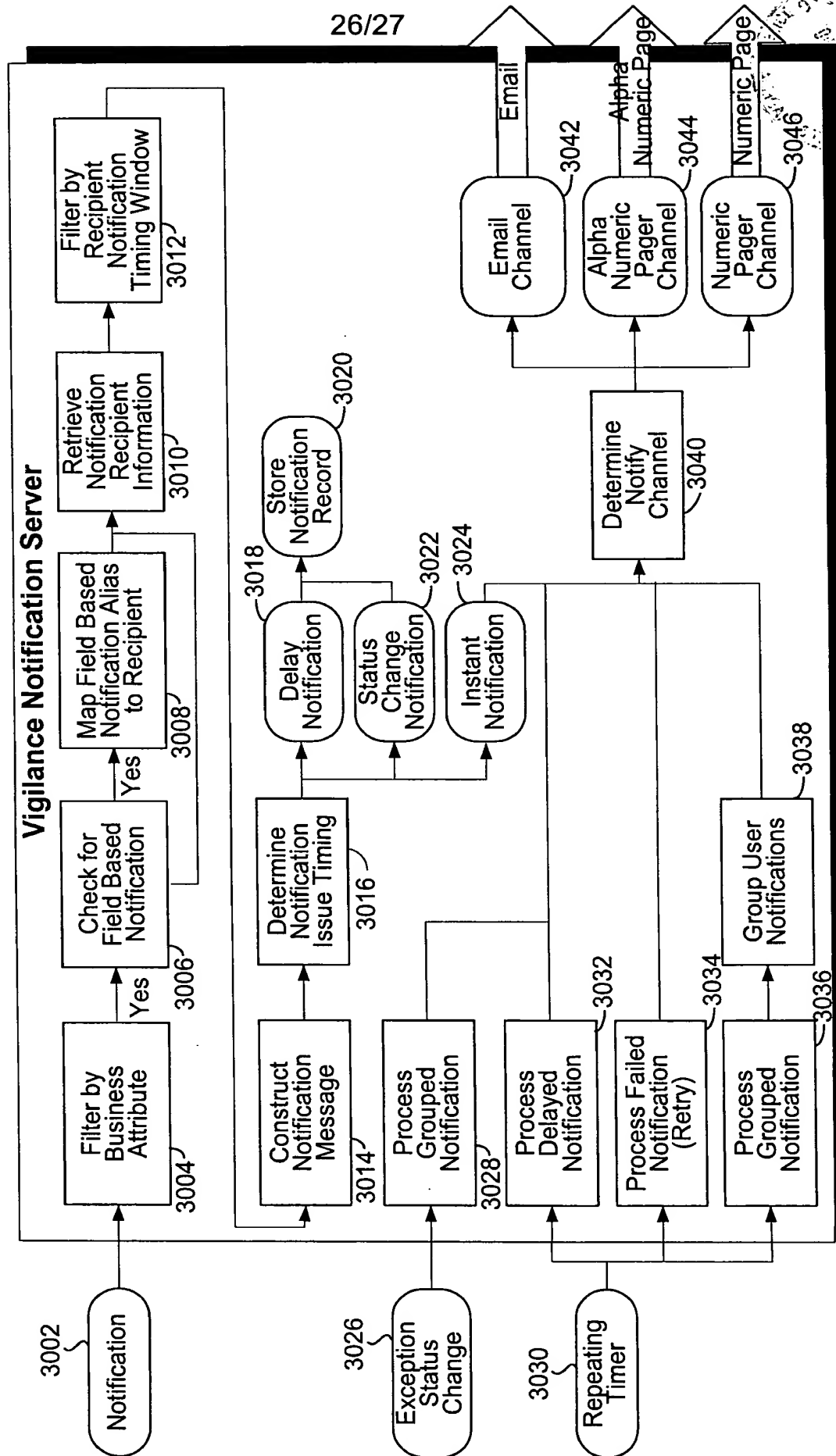
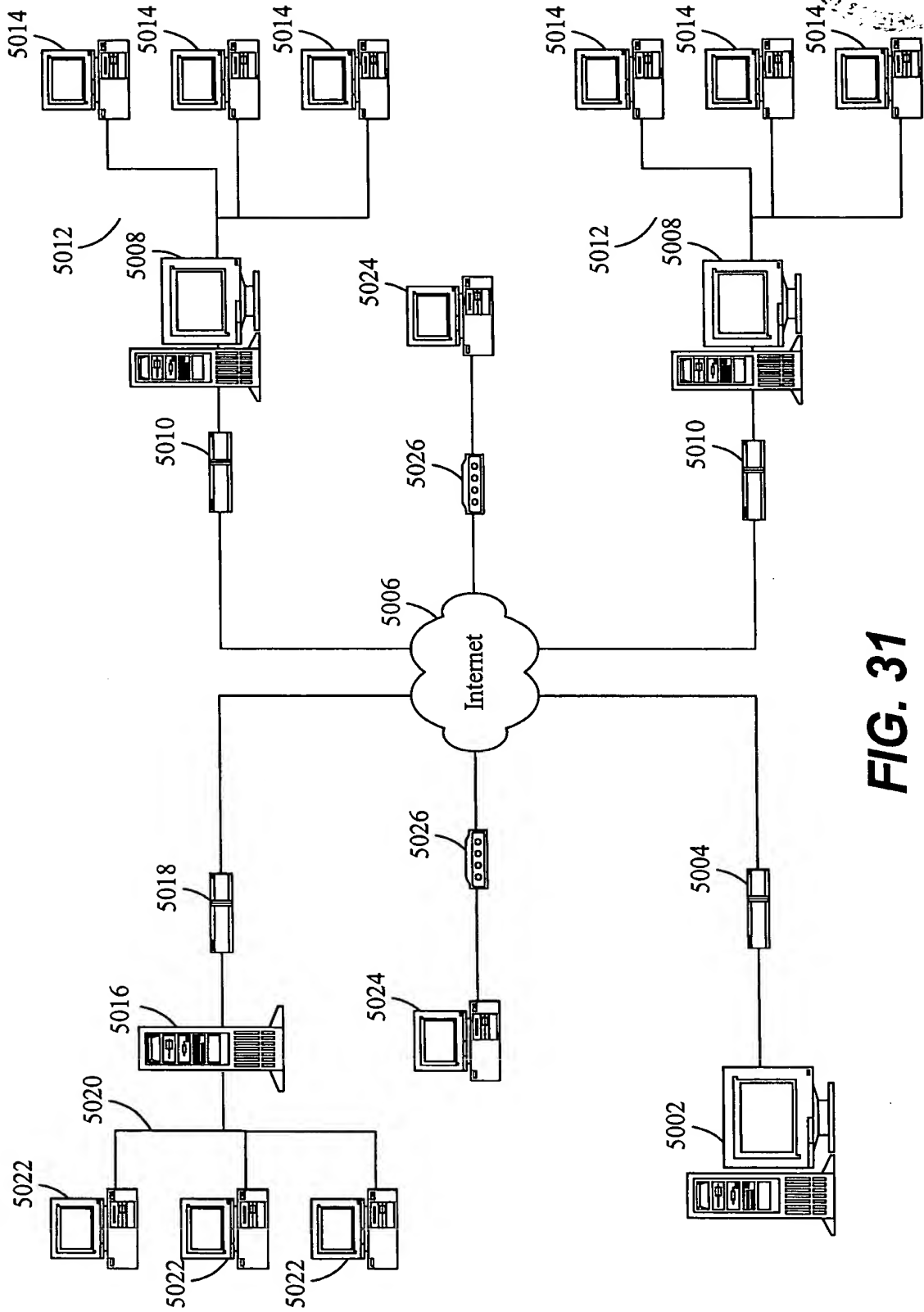


FIG. 30



**FIG. 31**